

PRE-HEALTH CONCENTRATION, NEUROSCIENCE (BS)

The concentration in Pre-Health is for majors interested in pursuing professional health programs such as medicine, physical therapy, etc.

This concentration allows students to focus their curriculum in a way that ensures that the required courses for admission into professional programs in health are ones that are incorporated into their major requirements.

Course	Title	Quarter Hours
Pick at least one of the following courses:		4
NEU 339	CELLULAR NEUROBIOLOGY	
or BIO 339	CELLULAR NEUROBIOLOGY	
NEU 350	SENSORY NEUROSCIENCE	
NEU 351	NEUROSCIENCE OF MOVEMENT	
BIO 342	COGNITIVE NEUROSCIENCE	
or PSY 379	COGNITIVE NEUROSCIENCE	
Pick at least one of the following courses:		4
NEU 256	INTRODUCTION TO COMPUTATIONAL NEUROSCIENCE	
NEU 310	SEMINAR IN NEUROPSYCHOPHARMACOLOGY	
NEU 360	CONVERSATIONS WITH NEUROSCIENTISTS	
NEU 380	SPECIAL TOPIC IN NEUROSCIENCE	
NEU 399	INDEPENDENT STUDY IN NEUROSCIENCE	
Pick 10 courses from below (based on the requirements of your specific professional health program):		40
CHE 230 & CHE 231	ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY LABORATORY I	
CHE 232 & CHE 233	ORGANIC CHEMISTRY II and ORGANIC CHEMISTRY LABORATORY II	
CHE 234 & CHE 235	ORGANIC CHEMISTRY III and ORGANIC CHEMISTRY LABORATORY III	
CHE 340 & CHE 341	BIOCHEMISTRY I and EXPERIMENTAL BIOCHEMISTRY I	
PHY 150 or PHY 170	GENERAL PHYSICS I or UNIVERSITY PHYSICS I	
PHY 151 or PHY 171	GENERAL PHYSICS II or UNIVERSITY PHYSICS II	
PHY 152 or PHY 172	GENERAL PHYSICS III or UNIVERSITY PHYSICS III	
MAT 150	CALCULUS I	
PSY 303	HUMAN DEVELOPMENT	
BIO 201	HUMAN ANATOMY	
BIO 308	HUMAN PHYSIOLOGY	
BIO 210	MICROBIOLOGY	

BIO 250	CELL BIOLOGY
BIO 260	GENETICS
BIO 330	DEVELOPMENTAL BIOLOGY
BIO 370	IMMUNOBIOLOGY
BIO 375	INTRODUCTION TO PHARMACOLOGY
or HLTH 375	INTRODUCTION TO PHARMACOLOGY
BIO 386	ENDOCRINOLOGY
HLTH 301	INTEGRATED HUMAN ANATOMY AND PHYSIOLOGY-A
HLTH 302	INTEGRATED HUMAN ANATOMY AND PHYSIOLOGY-B

For students interested in applying to professional health programs that require Anatomy and Physiology, we recommend choosing from the following combinations: (BIO 201 and BIO 308) or (HLTH 301 and HLTH 302).

It is strongly encouraged that students in this concentration meet regularly with Pre-Health Advising to ensure they are choosing the appropriate courses to meet the requirements of the professional health program they intend to apply to.